



for

LED

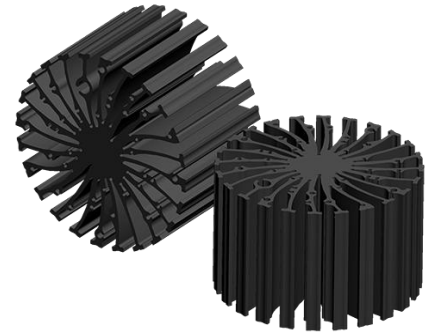


EtraLED

EtraLED-PRO-13080 Prolight Modular Passive Star LED Heat Sink Φ 130mm

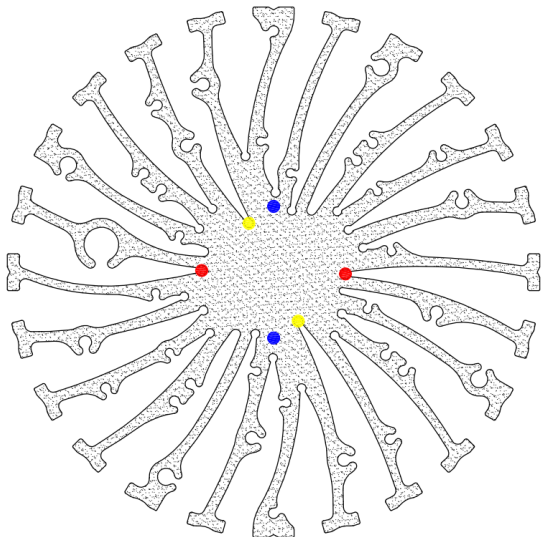
Features VS Benefits

- * The EtraLED-PRO-13080 Prolight Modular Passive Star LED Heat Sinks are specifically designed for luminaires using the Prolight LED engines.
- * Mechanical compatibility with direct mounting of the LED engines to the LED cooler and thermal performance matching the lumen packages.
- * For spotlight and downlight designs from 3200 to 8300 lumen.
- * Thermal resistance range Rth 0.7°C/W.
- * Modular design with mounting holes foreseen for direct mounting of Prolight COB series LED engines.
- * Diameter 130mm - standard height 80mm Other heights on request.
- * Extruded from highly conductive aluminum.



Zhaga LED engine and radiator assembly is a unified future international standardization

- * Below you find an overview of Prolight COB's and LED modules which standard fit on the EtraLED Star LED Heat Sinks.
- * In this way mechanical after work and related costs can be avoided, and lighting designers can standardize their designs on a limited number of Star LED Heat Sinks.



Prolight LED engines Mounting Options

COB BI Series Modules names:

- PABA-26xxx-xxxx ;
- PABA-35xxx-xxxx ;
- PABA 50xxx-xxxx ;

With Zhaga Book 3 for green indicator marks:
 BJB Holder:47.319.2040.50;
 Direct mounting with machine screws M3x8mm;
 Without LED holders for yellow indicator marks.
 Direct mounting with machine screws M3x6mm;

COB CIII Series Modules names:

- PACC-40xxx-xxxx ;

With Zhaga Book 3 for green indicator marks:
 BJB Holder:47.319.2030.50;
 Direct mounting with machine screws M3x8mm;
 Without LED holders for blue indicator marks.
 Direct mounting with machine screws M3x6mm;



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Mounting Options and Drawings & Dimensions

Example: EtraLED-PRO-13080-B-3

Example: EtraLED-PRO-130 **1** - **2** - **3**

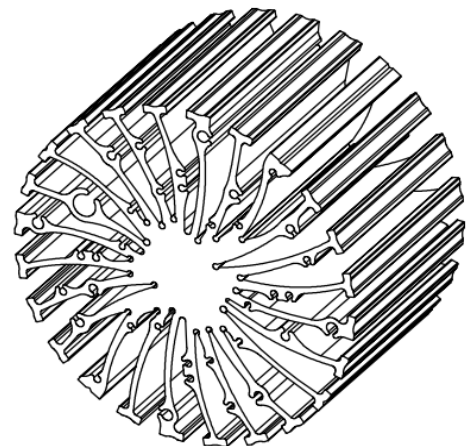
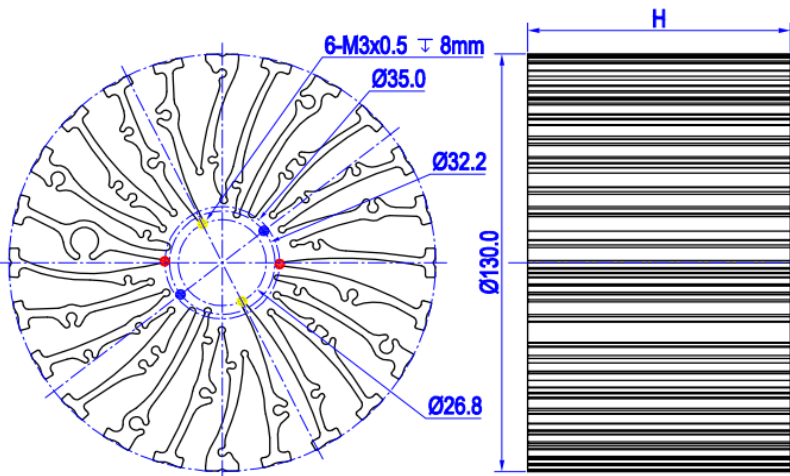
- 1** Height (mm)
- 2** Anodising Color
B-Black
C-Clear
Z-Custom
- 3** Mounting Options - see graphics for details Combinations available
Ex.order code - 12
means option 1 and 2 combined



Notes:

- Mentioned models are an extraction of full product range.
- For specific mechanical adaptations please contact MingfaTech.
- MingfaTech reserves the right to change products or specifications without prior notice.

| MOUNTING OPTION | Module type | Holder NO. | THREAD | THREAD DEPTH | THREAD HOLE DISTANCE |
|-----------------|---------------------------------|-----------------------|--------|--------------|--------------------------------|
| 1 | COB BI Series COB CII Series | / | M3 | 8mm | 26.8mm/ 2-@180° |
| 2 | COB CIII Series | / | M3 | 8mm | 32.2mm/ 2-@180° |
| 3 | COB CII Series | BJB 47.319.2021.50 | M3 | 8mm | 35.0mm/ 2-@180° Zhaga Book3 |
| | COB CIII Series | BJB 47.319.2030.50 | | | |
| | COB BI Series | BJB 47.319.2040.50 | | | |



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The thermal data table

| | |
|---------------------------------------|--|
| |  <i>EtraLED-13080</i> |
| Model No. | EtraLED-PRO-13080 |
| Size | Φ130xH80mm |
| Material | AL6063-T5 |
| Finish | Black Anodized |
| Weight(gr) | 1108 |
| Thermal Wattage | 70.6W |
| HeatsinkOs-a² | 245462 |
| Heat Sink T Rise Above Ambient | 0.7 |

| Dissipated Power Pd(W) | Pd = Pe x (1-ηL) | Heat sink to ambient thermal resistance Rhs-amb (°C/W) | Heat sink to ambient temperature rise Ths-amb (°C) |
|------------------------|---------------------|--|--|
| | | EtraLED-PRO-13080 | EtraLED-PRO-13080 |
| 15 | | 1.15 | 13.0 |
| 30 | | 1.05 | 23.0 |
| 45 | | 0.90 | 31.5 |
| 55 | | 0.80 | 37.5 |
| 65 | | 0.72 | 43.0 |
| 75 | | 0.62 | 48.0 |
| 85 | | 0.55 | 53.0 |

